SAFETY OBSERVATION REPORT

| | SA | | | | , | | | |
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| Observers: | | Date: | Duration: | RHIC Cry | ogenic System | | | |
| S. Vigdor, P. Bond, D. Lowenstein, M. Zarcone, | | 12/20/07 | 1 Hr. | Control R | oom and Shops, | | | |
| ŕ | , | | | Building 1 | 005 | | | |
| Observation | Questions: | • | | | | | | |
| In risky position relative to task? Exposed to risks of temperature/electricity/gas/chemicals/radiation? | | | | | | | | |
| Protection OK? | | | | | | | | |
| Risks from: post | ture, repetitive | motion, load | , vibration, temp | perature, lighting | , noise, work flow? | | | |
| Correct PPE? In safe condition? | | | | | | | | |
| | | | | | | | | |
| Is tool, equipme Used correctly? | nt or facility ri | ight for the jo | b? In saf | e condition? | | | | |
| | | | | procedure adequate? Up to date? Understood? | | | | |
| Is workplace ord | | | | | | | | |
| | | | ent? All in | its place? | | | | |
| No unsare acts of | or conditions ic | ienunea | | | | | | |
| Number of Description of unsafe acts | | | e acts | Observation | Follow-up Action | Person | By Date | |
| Contacts | | | | Category | | Responsible | | |
| 4 | No unsafe | acts observed | 1. | ASF | | | | |
| | | | | Г&Е | Checkout and fix as appropriate | A. Etkin | 12/21/07 | |
| | Positive: Pla performed w cleanup; cry and agree it cryo work is room monito for each othe compressor: room; increa management | iron ant Engineering tell on snow a consider a source or workers all its readily available planned; cryons are used to the through carroom and refressed emphasis ton safety is so | ng has und ice use PPE ilable; all o control o watch out meras in the rigerator s by viewed as a | Г&Е | 2. Determine if iron in domestic water at RHIC is excessive, and fix if appropriate | W. Chaloupka | 1/15/08 | |
| | Observation In risky position Protection OK? Risks from: position Correct PPE? All parts of the I Is tool, equipme Used correctly? Is there a standa Followed? Is workplace or Is there a place of No unsafe acts of Number of Contacts | Wenstein, M. Zarcone, Observation Questions: In risky position relative to tas Protection OK? Risks from: posture, repetitive Correct PPE? All parts of the body properly Is tool, equipment or facility ri Used correctly? Is there a standard procedure? Followed? Is workplace orderly? Is there a place for all material No unsafe acts or conditions in Number of Contacts 1. ODH was service 2. Cooling excess Positive: Pla performed was cleanup; cry and agree it cryo work is room monited for each other compressor is room; increas management | Observation Questions: In risky position relative to task? Protection OK? Risks from: posture, repetitive motion, load Correct PPE? All parts of the body properly protected? Is tool, equipment or facility right for the jo Used correctly? Is there a standard procedure? Followed? Is workplace orderly? Is there a place for all materials and equipm No unsafe acts or conditions identified Number of Contacts ODH warning light service near 1005R or Contacts Cooling water filters excess iron Positive: Plant Engineerin performed well on snow a cleanup; cryo workers all and agree it is readily ava cryo work is planned; cry room monitors are used to for each other through can compressor room and refr room; increased emphasis management on safety is | Wenstein, M. Zarcone, Date: 12/20/07 | Observation Questions: In risky position relative to task? Protection OK? Risks from: posture, repetitive motion, load, vibration, temperature, lighting Correct PPE? All parts of the body properly protected? Is tool, equipment or facility right for the job? Is there a standard procedure? Is workplace orderly? Is workplace orderly? Is there a place for all materials and equipment? Number of Contacts No unsafe acts observed. In safe condition? Adequate space? All in its place? No unsafe acts or conditions identified Number of Contacts Observation Category 4 No unsafe acts observed. Cooling water filters show excess iron Positive: Plant Engineering has performed well on snow and ice cleanup; cryo workers all use PPE and agree it is readily available; all cryo work is planned; cryo control room monitors are used to watch out for each other through cameras in the compressor room and refrigerator room; increased emphasis by management on safety is viewed as a | wenstein, M. Zarcone, Date: 12/20/07 1 Hr. Control Room and Shops, Building 1005 | Date: 12/20/07 1 Hr. RHIC Cryogenic System Control Room and Shops, Building 1005 | |

| L2 Shop | No unsafe acts observed. | | | | |
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| | Safety glasses get scratched and obscure vision; is there a better product? | | 1. Inform C-AD workers about the safety glasses, the types available, and when and how to get new ones, etc. | P. Cirnigliaro | 1/31/08 |
| | 2. Solder waste containers are improperly labeled "Hazardous Waste." Positive: Worker used safety glasses and the correct tools for the repair work he was doing. Worker brought up issues about safety glasses and sharps. Worker was aware of flash hazard from switch on item he was repairing, and used appropriate PPE and "lockout." A good practice was observed in that the worker tied the power cord to the heater so it could not be plugged in during work. | | 2. Consider placing a Satellite Accumulation Area in L2; ensure all C-AD supervisors check to see if solder containers are properly labeled, Pb solder waste and Ag solder waste are treated differently, so this must be pointed out; consider adding sharps containers to shops in order to collect used razor blades safely. | P. Cirnigliaro and J. Scott | 1/15/08 |